

Product datasheet for **MR227058**

Fosb (NM_008036) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fosb (NM_008036) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fosb
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227058 representing NM_008036
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTCAAGCTTTTCCCGGAGACTACGACTCCGGCTCCCGGTGTAGCTCATCACCTCCGCCGAGTCTC
AGTACCTGTCTTCGGTGGACTCCTTCGGCAGTCCACCCACCGCCGCCCTCCAGGAGTGCGCCGGTCT
CGGGGAAATGCCCGGCTCCTTCGTGCCAACGGTCACCGCAATCACAACCAGCCAGGATCTTCAGTGGCTC
GTGCAACCCACCCTCATCTCTCCATGGCCAGTCCCAGGGCAGCCACTGGCCTCCAGCCTCCAGCTG
TTGACCTTATGACATGCCAGGAACCGACTCAACCCAGGCCTGAGTGCTACAGCACTGGCGGGG
AAGCGGAAGTGGTGGCCTTCAACCAGCACAACCACAGTGGACCTGTGTCTGCCGTCCAGCCAGAGCC
AGGCCTAGAAGACCCCGAGAAGAGACACTTACCCAGAAAGAAGAAAAGCGAAGGGTTCGCAGAGAGC
GGAAACAAGCTGGCTGCAGCTAAGTGCAGGAACCGTCGGAGGGAGCTGACAGATCGACTTCAGGCGGAAAC
TGATCAGCTTGAAGAGGAAAAGGCAGAGCTGGAGTCGGAGATCGCCGAGCTGCAAAAAGAGAAGGAACGC
CTGGAGTTTGTCTGGTGGCCACAAACCGGGCTGCAAGATCCCTACGAAGAGGGGCCGGGGCCAGGCC
CGCTGGCCGAGGTGAGAGATTTGCCAGGGTCAACATCCGCTAAGGAAGACGGCTTCGGCTGGCTGCTGCC
GCCCTCCACCACCGCCCTGCCCTTCAGAGCAGCCGAGACGCACCCCAACCTGACGGCTTCTCTC
TTTACACACAGTGAAGTTCAAGTCTCGCGACCCCTTCCCGTGTGTAGCCCTTCGTACACTTCTCGT
TTGTCTCACCTGCCCGAGGTCTCCGCTTCGCGGGCCCAACGCACCAGCGGACGCAGCAGCCGTC
CGACCCGCTGAACTCGCCCTCCCTTCTGCTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR227058 representing NM_008036
Red=Cloning site Green=Tags(s)

MFQAFPGDYDSGSRSSSPAESQYLSSVDSFGSPPTAAASQECAGLGEMPGSFVPTVTAITTSQDLQWL
 VQPTLISSMAQSQGQPLASQPPAVDPYDMPGTSYSTPGLSAYSTGGASGSGPSTSTTSGPV SARPARA
 RPRRPREETLTPEEEEEKRRVRRERNKLAALKCRNRRREL TDRLQAETDQLEEEKAELESEIAELQKEKER
 LEFVLVAHKPGCKIPYEEGPGPLAEVRDLPGSTSAKEDGFGWLLPPPPPPPLPFQSSRDAPPNLTASL
 FTHSEVQLGDPFPVSPSYTSSFVLTCEVSAFAGAQR TSGSEQSPDPLNSPSSLAL

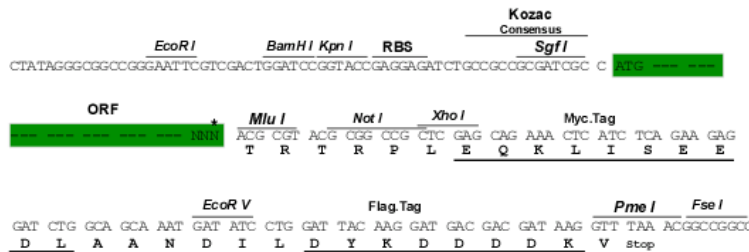
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9034_g06.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008036

ORF Size: 1014 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_008036.2](#), [NP_032062.1](#)

RefSeq Size: 3783 bp

RefSeq ORF: 1017 bp

Locus ID: 14282

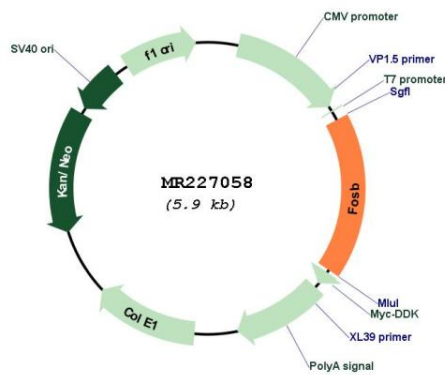
UniProt ID: [P13346](#)

Cytogenetics: 7 9.56 cM

MW: 36.4 kDa

Gene Summary: FosB interacts with Jun proteins enhancing their DNA binding activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227058